



311th Human Systems Wing **Commander's Intent**

Human-operator performance and systems capabilities are fully integrated to maximize air and space power

Our Vision: An overwhelmingly effective warfighter through leading-edge human performance and global health

The 311th Human Systems Wing is the birthplace, home, and future of aerospace medicine. The human is the “key” enabler, even in unoccupied systems. We intend to support the air expeditionary warrior through enhanced aerospace medicine knowledge, technology, and Human Systems Integration (HSI) so that systems will unleash human performance to maximize air and space power.

The Opportunity

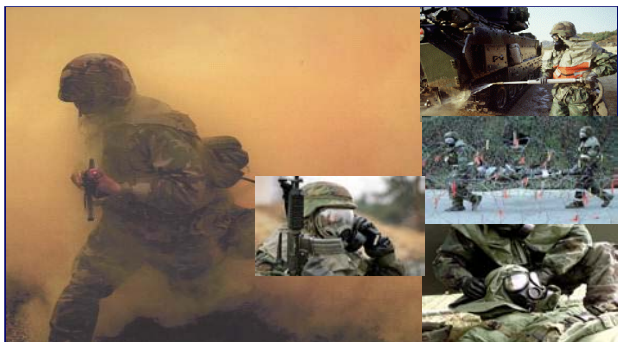
- Humans are indispensable, key enablers that assure effective air and space power
- Advances in medicine, materials, knowledge, and technology present unprecedented opportunities to enhance human performance to support the Expeditionary Air Force



The Environment

- Warrior airmen face increased operations tempo, extended missions, information saturation, and asymmetric threats
- Advanced command and control, predictive battlespace awareness, and sensor-to-shooter time under ten minutes with integrated intelligence, surveillance, and reconnaissance require advanced decision support technologies
- Demands from modern weapon systems increase the challenge to integrate systems to support human cognitive and physical abilities; integration failures seriously threaten performance and place mission effectiveness at risk

The Strategy



- Pursue advances in techniques and technologies to allow unconstrained human operation in all threat environments
- Develop advanced surveillance and detection capabilities to provide force health protection and integrate medical intelligence into operational decision processes
- Achieve Air Force advocacy for robust support of the human in the weapon system--occupied or unoccupied
- Fully implement the HSI program to influence weapon systems design, amplify weapon system effectiveness, enhance system survivability, and reduce manpower, personnel, and life-cycle costs
- Develop and field next-generation aircrew protective equipment through systematic investment to improve capability

We will commit resources and develop partnerships with other services, agencies, nations, academia, and industry to make it happen.